

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1 (Currently amended): A reproducing apparatus comprising:

reproducing means for reproducing image data from a recording medium, said reproducing means reproducing the image data at a speed higher than a normal reproduction speed in a high-speed reproduction mode;

storage means for storing a plurality of pictures of image data reproduced by said reproducing means; and

forming means for dividing each of a plurality of pictures of image data stored in said storage means into a plurality predetermined number of regions corresponding to the speed at which the image data is reproduced in said high-speed reproduction mode, and for forming one picture of high-speed-reproduction image data by using the different divided regions of the plurality of pictures of image data.

Claim 2 (Original): An apparatus according to claim 1, wherein said forming means divides each of a plurality of successive pictures of image data stored in said storage means into a plurality of regions, and forms one picture of high-speed-reproduction image data by using one of divided regions of each of the plurality of pictures of image data, said one divided region of each picture differing in position from each other.

Claim 3 (Original): An apparatus according to claim 1, wherein said forming means divides each of n pictures (n : an integer equal to or greater than 2) of image data stored in said storage means into a plurality of regions, and forms one frame of high-speed-reproduction image data by using one of n divided regions of each of the plurality of pictures of image data, said one divided region of each picture differing in position from each other.

Claim 4 (Original): An apparatus according to claim 3, wherein said forming means forms one picture of the high-speed-reproduction image data for every n th picture of image data reproduced by said reproducing means.

Claim 5 (Original): An apparatus according to claim 3, wherein the number n is determined according to the speed at which the image data is reproduced by said reproducing means.

Claim 6 (Original): An apparatus according to claim 1, wherein the image data is encoded by interpicture coding and by intrapicture coding.

Claim 7 (Original): An apparatus according to claim 6, wherein said reproducing means has decoding means for decoding the reproduced image data, and said storage means stores image data decoded by said decoding means.

Claim 8 (Original): An apparatus according to claim 1, wherein the recording medium comprises a disc-like recording medium.

Claim 9 (Currently amended): A reproducing apparatus comprising:
reproducing means for reproducing image data from a recording medium, said reproducing means being arranged to reproduce the image data at different reproduction speeds;
storage means for storing a plurality of pictures of image data reproduced by said reproducing means; and
forming means for forming normal-reproduction image data and search-reproduction image data by using the plurality of pictures of image data stored in said storage means, said forming means forming one picture of the normal-reproduction image data by using only one picture of image data in the plurality of pictures of image data stored in said storage means, said forming means dividing each of a plurality of pictures of image data stored in said storage means into a plurality predetermined number of regions corresponding to higher one of the different reproduction speed at which the image data is reproduced, and for forming one picture of the search-reproduction image data by using the different divided regions of the plurality of pictures of image data; and
mode change means for changing the reproduction mode between a normal reproduction mode in which said reproducing means reproduces the image data at a normal reproduction speed and said forming means forms the normal-reproduction image data, and a search reproduction mode in which said reproducing means reproduces the image data at a speed higher than the normal reproduction speed and said forming means forms the search-reproduction image data.

Claim 10 (Original): An apparatus according to claim 9, wherein said forming means divides each of a plurality of successive pictures of image data stored in said storage means into a plurality of regions, and forms one picture of search-reproduction image data by using one of divided regions of each of the plurality of pictures of image data, said one divided region of each picture differing in position from each other.

Claim 11 (Original): An apparatus according to claim 9, wherein said forming means divides each of n pictures (n : an integer equal to or greater than 2) of image data stored in said storage means into a plurality of regions, and forms one frame of search-reproduction image data by using one of n divided regions of each of the plurality of pictures of image data, said one divided region differing of each picture in position from each other.

Claim 12 (Original): An apparatus according to claim 11, wherein said forming means forms one picture of the search-reproduction image data for every n th picture of image data reproduced at a speed higher than the normal-reproduction speed.

Claim 13 (Original): An apparatus according to claim 11, wherein the number n is determined according to the speed at which the image data is reproduced in the search reproduction mode.

Claim 14 (Original): An apparatus according to claim 9, wherein the image data is encoded by interpicture coding and by intrapicture coding.

Claim 15 (Original): An apparatus according to claim 14, wherein said reproducing means has decoding means for decoding the reproduced image data, and said storage means stores image data decoded by said decoding means.

Claim 16 (Original): An apparatus according to claim 9, wherein the recording medium comprises a disc-like recording medium.

Claim 17 (Currently amended): A reproducing apparatus comprising:
reproducing means for reproducing image data from a recording medium;
storage means for storing a plurality of pictures of image data in the image data reproduced by said reproducing means;

mode change means for changing the reproduction mode between a first reproduction mode and a second reproduction mode according to motion of an image relating to the image data reproduced by said reproducing means; and

forming means for forming first image data and second image data by using the plurality of pictures of image data stored in said storage means, said forming means dividing each of a plurality of pictures of image data stored in said storage means into a plurality of regions, said forming means forming one picture of the first image data by using the different divided regions of the plurality of pictures of image data, said forming means forming one picture of the second image data by using only one picture of image data of the plurality of pictures of image data stored in said

storage means, said forming means forming the first image data in the first reproduction mode and forming the second image data in the second reproduction mode,

wherein said reproducing means also reproduces motion information indicating a movement of an image relating to the image data recorded on the recording medium, and said mode change means changes the reproduction mode according to the motion information reproduced by said reproducing means.

Claim 18 (Original): An apparatus according to claim 17, wherein the image data reproduced by said reproducing means is encoded by interpicture coding and by intrapicture coding, and said reproducing means has decoding means for decoding the image data reproduced from the recording medium.

Claim 19 (Original): An apparatus according to claim 18, wherein said storage means stores the image data decoded by said decoding means, and said forming means forms, in the second mode, one picture of the first image data by using only decoded image data of the image data encoded by intrapicture coding.

Claim 20 (Cancelled).

Claim 21 (Currently amended): A reproducing apparatus comprising:
reproducing means for reproducing image data from a disc-like recording medium; and

forming means for dividing each of a plurality of pictures of image data reproduced by said reproducing means in a search reproduction mode in which said reproducing means reproduces the image data at a speed higher than a normal reproduction speed into a predetermined number of regions corresponding to the speed at which the image data is reproduced in said search reproduction mode, and for forming one picture of search-reproduction image data by using a portion of each of a plurality of successive pictures the different divided regions of the plurality of pictures of image data reproduced by said reproducing means in a search reproduction mode in which said reproducing means reproduces the image data at a speed higher than a normal reproduction speed.

Claim 22 (Original): An apparatus according to claim 21, wherein the image data recorded on the disc-like recording medium is encoded by interpicture coding and by intrapicture coding, and said forming means forms, in the search reproduction mode, one picture of the search-reproduction image data by using portions of the plurality of successive pictures of image data including image data decoded from the intrapicture-coded image data and image data decoded from the interpicture-coded image data in the image data reproduced by said reproducing means.

Claim 23 (Currently amended): A method for reproducing image data from a recording medium, said method comprising the steps of:

storing in a memory a plurality of pictures of image data reproduced from the recording medium at a speed higher than a normal reproduction speed in a high-speed reproduction mode;
and

dividing each of the plurality of pictures of image data stored in the memory into a ~~plurality~~
predetermined number of regions corresponding to the speed at which the image data is reproduced
in said high-speed reproduction mode, and for forming one picture of image data by using the
different divided regions of the plurality of pictures of image data.

Claim 24 (Currently amended): A reproduction method comprising the steps of:

reproducing image data from a disc-like recording medium; and

dividing each of a plurality of pictures of image data reproduced by said reproducing means
in a search reproduction mode in which said reproducing means reproduces the image data at a
speed higher than a normal reproduction speed into a predetermined number of regions
corresponding to the speed at which the image data is reproduced in said search reproduction mode,
and forming one picture of search-reproduction image data by using a portion of each of a plurality
of successive pictures the different divided regions of the plurality of pictures of image data
~~reproduced in said reproducing step in a search reproduction mode in which the image data is~~
~~reproduced at a speed higher than a normal reproduction speed in said reproducing step.~~